

**CURRICULUM VITAE**  
**April M. Bobenchik, Ph.D., D(ABMM), MT (ASCP)**

Business Address: Department of Pathology and Laboratory Medicine  
Rhode Island Hospital  
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Providence, RI 02903  
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**EDUCATION**

Undergraduate August 1997-May 2001  
Marist College  
Poughkeepsie, NY  
Medical Technology  
Bachelor of Science

Graduate September 2001-September 2003  
Northeastern University  
Boston, MA  
Biomedical Sciences  
Masters of Science

Graduate August 2006-May 2011  
University of Connecticut  
Mansfield, CT  
Biomedical Sciences  
Doctor of Philosophy

**POSTGRADUATE TRAINING**

July 2011- June 2013  
Postdoctoral Fellowship in Clinical Microbiology  
David Geffen School of Medicine at UCLA  
Los Angeles, CA

November 2013-August 2014  
Project Manager, Clinical Trials  
Southern California Permanente Medical Group  
Regional Reference Laboratories  
North Hollywood, CA

**PROFESSIONAL LICENSES AND BOARD CERTIFICATION**

July 2001  
Medical Technologist, ASCP

August 2012  
Clinical Microbiologist Scientist, California

November 2013  
Diplomate, American Board of Medical Microbiology

September 2014  
Clinical Laboratory Scientist-Microbiology, RI

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HOSPITAL APPOINTMENTS

October 2014-Present  
Associate Director of Microbiology  
Lifespan Academic Medical Center (RIH, TMH)  
Department of Pathology and Laboratory Medicine  
Providence, RI

ACADEMIC APPOINTMENTS

July 2014-Present  
Assistant Professor of Pathology and Laboratory  
Medicine  
Department of Pathology and Laboratory Medicine  
Warren Alpert Medical School of Brown University  
Providence, RI

PROFESSIONAL APPOINTMENTS

Medline Indexed Journals

Ad Hoc Reviewer  
2014-Present  
Journal of Clinical Microbiology  
ASCP Laboratory Medicine  
Journal of Global Antimicrobial Resistance  
Journal of Medical Microbiology  
Journal of Clinical Pathology  
Diagnostic Microbiology and Infectious Disease

Clinical and Laboratory Standards Institute (CLSI), Subcommittee on Antimicrobial  
Susceptibility Testing

**Reviewer**, 2016-2018

Duties: Actively participate in committee activities, author document content, review and comment on document drafts, assist with comment resolution, contribute data or examples needed for the documents

Served on the *Modified Carbapenamase Method Ad Hoc Working Group* and *Outreach Working Group*

**Advisor**, 2018 - Present (invited 4yr term)

Duties: Same duties as listed for Reviewer, in addition to having knowledge of CLSI and the clinical laboratory field, in-depth knowledge in a technical field, and serve in a fair, impartial manner

Currently serving on the *Outreach Working Group*, *Epidemiological Cutoff Ad Hoc Working Group*, *Table 1 Ad Hoc Working Group*, *Non-Enterobacterales Ad Hoc Working Group*

**Co-chair Text and Tables Working Group**, 2018 – Present

Duties: Same duties as listed for Reviewer and Advisor, in addition leading working group and coordinating all activities with project manager, prepare agenda and facilitate group meetings, keeping projects on schedule, review of final document and edits, and ensuring all responsibilities are met

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PROFESSIONAL APPOINTMENTS (continued)

Clinical and Laboratory Standards Institute (CLSI), M64 Implementation of Taxonomy Changes Document Development Committee

**Contributor**, 2020 - Present

Duties: Same duties as listed for a Reviewer in a Subcommittee

HOSPITAL COMMITTEES

Member

June 2015-Present

Infection Control Committee

Rhode Island Hospital

Providence, RI

Member

January 2017-Present

Antimicrobial Stewardship Program

Lifespan Academic Medical Center

Providence, RI

Member

April 2019-Present

Toxicology Faculty Search Committee

Lifespan Academic Medical Center

Providence, RI

Member

Dec 2019-Present

Hospital Acquired Infections (HAI) Council

Lifespan Academic Medical Center

Providence, RI

MEMBERSHIPS IN SOCIETIES

Member

2001-2006

American Society of Clinical Pathologists

Member

2011-2014

Southern California, American Society of Microbiology

Member

2011-Present

American Society of Microbiology

Contributor

2017-Present

*Evidence-based Laboratory Medicine Practice Guideline (EBLMPG)*

Member

2016-Present

Northeast Branch, American Society of Microbiology

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PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Touma M, Antonini V, Kumar M, Osborn SL, **Bobenchik AM**, Keskin DB, Connolly JE, Grusby MJ, Reinherz EL, Clayton LK. (2007) Functional role for I kappa BNS in T cell cytokine regulation as revealed by targeted gene disruption. *J Immunol* Aug1; 179(3):1681-92. PMID: 17641034.
2. Reynolds JM, Takebe S, Choi JY, El Bissati K, Witola WH, **Bobenchik AM**, Hoch JC, Voelker DR, Mamoun CB. (2008) Biochemical and genetic analysis of the phosphoethanolamine methyltransferase of the human malaria parasite *Plasmodium falciparum*. *J Biol Chem* Mar 21;283(12):7894-900. Epub 2008 Jan 4. PMID: 18178564.
3. **Bobenchik AM**, Choi JY, Mishra A, Hao B, Rujan IN, Voelker DR, Hoch JC, and Mamoun CB. (2010) Identification of inhibitors of *Plasmodium falciparum* phosphoethanolamine methyltransferase using an enzyme-coupled transmethylation assay. *BMC Biochem* Jan 19;11,4. PMID: 20085640.
4. Downie MJ, El Bissati K, **Bobenchik AM**, Nic Lochlainn L, Amerik A, Zufferey R, Kirk K, and Ben Mamoun C. (2010) PfNT2: a permease of the equilibrative nucleoside transporter family in the endoplasmic reticulum of *Plasmodium falciparum*. *J Biol Chem* Jul 2;285(27):20827-33. Epub 2010 May 3. PMID: 20439460.
5. **Bobenchik AM**, Augagneur Y, Hao B, Hoch JC, Ben Mamoun C. (2011) Phosphoethanolamine methyltransferases: Function and potential for therapy and bioengineering. *FEMS Microbiol Rev.* Jul;35(4):609-19. Epub 2011 Mar 10. PMID: 21303393.
6. González-Bulnes P, **Bobenchik AM**, Augagneur Y, Cerdan R, Vial HJ, Llebaria A, Ben Mamoun C. (2011) PG12, a phospholipid analog with potent antimalarial activity, inhibits *Plasmodium falciparum* CTP:phosphocholine cytidyltransferase activity. *J Biol Chem.* Au19;286(33):28940 Epub 2011 Jun 25. PMID: 21705805.
7. Bezsonova I, Rujan I, **Bobenchik AM**, Gorbatyuk V, Maciejewski MW, Gorbatyuk O, Hao B, Arthanari H, Mamoun CB, Hoch JC. (2013) (1)H, (13)C, and (15)N chemical shift assignments for PfPMT, a phosphoethanolamine methyltransferase from *Plasmodium falciparum*. *Biomol NMR Assign.* Apr;7(1):17-20 Epub 2012 Mar 6. PMID: 22392340.
8. Giltner CL, **Bobenchik AM**, Uslan D, Deville J, and Humphries RM. (2013) Ciprofloxacin-resistant *Aeromonas hydrophila* cellulitis following leech therapy. *J Clin Micro.* Apr;51(4):1324-6. Epub 2013 Jan 30. PMID: 23363826.
9. Giltner CL, Saeki S, **Bobenchik AM**, Humphries RM. (2013) Rapid detection of *Campylobacter* antigen by enzyme immunoassay leads to increased positivity rates. *J Clin Micro.* Feb; 51(2):618-20. Epub 2012 Nov 21. PMID: 23175262.
10. **Bobenchik AM**, Witola WH, Augagneur Y, Nic Lochlainn L, Garg A, Pachikara N, Choi JY, Zhao YO, Usamani-Brown S, Lee A, Adjalley SH, Samanta S, Fidock DA, Fikrig E, Voelker DR, Ben Mamoun C, (2013) *Plasmodium falciparum* phosphoethanolamine methyltransferase is essential for malaria transmission. *Proc Natl Acad Sci USA.* Nov 5;110(45):18262-7. Epub 2013 Oct 21. PMID: 24145416.

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PUBLICATIONS (continued)

11. **Bobenchik A**, Shimizu-Cohen R, Humphries, RM. (2013) Use of Rapid Diagnostic Tests for Diagnosis of Malaria in the United States. *J Clin Micro*. Jan 51(1):379 Epub 2012 Nov 7. PMID: 23135948.
12. Giltner CL, Kelesidis T, Hindler JA, **Bobenchik AM**, Humphries RM. (2014) Frequency of susceptibility testing for patients with persistent MRSA bacteremia. *J Clin Micro*. Jan;52(1): 357-61. Epub 2013 Oct 23. PMID: 24153125.
13. **Bobenchik AM**, Hindler JA, Giltner CL, Saeki S, Humphries RM. (2014) Performance of VITEK® 2 for antimicrobial susceptibility testing of *Staphylococcus* spp. and *Enterococcus* spp. *J Clin Micro*. Feb; 52(2):392-7. Epub 2013 Nov 13. PMID: 24478467.
14. Tewhey R, Bing G, Kelesidis T, Charlton CL, **Bobenchik AM**, Hindler JA, Humphries RM. (2014) Mechanisms of linezolid resistance among coagulase-negative staphylococci determined by whole genome sequencing. *MBio*. May 13; 5(3):e00894-14. PMID: 24915435.
15. Deak E, Charlton CL, **Bobenchik AM**, Miller SA, Pollett S, McHardy IH, Wu MT, Garner OB. (2015) Comparison of the Vitek MS and Bruker Microflex LT MALDI-TOF MS platforms for routine identification of commonly isolated bacteria and yeast in the clinical microbiology laboratory. *Diagn Microbiol Infect Dis*. Jan;81(1):27-33. Epub 2014 Sept 28. PMID: 25446889.
16. **Bobenchik AM**, Deak E. Hindler JA, Charlton CL, Humphries RM. (2015) Performance of VITEK® 2 for antimicrobial susceptibility testing of *Enterobacteriaceae* with VITEK 2 (2009 FDA) and 2014 CLSI breakpoints. *J Clin Micro*. Mar; 53(3):816-23. Epub 2014 Dec 24. PMID: 25540403.
17. **Bobenchik AM**, Deak E. Hindler JA, Charlton CL, Humphries RM. (2017) Performance of VITEK® 2 for antimicrobial susceptibility testing of *Acinetobacter baumannii*, *Pseudomonas aeruginosa*, and *Stenotrophomonas maltophilia* with VITEK® 2 (2009 FDA) and 2016 CLSI Breakpoints. *J Clin Micro*. Feb; 55(2):450-456. Epub 2016 Nov 21. PMID: 27881616.
18. Pierce VM, Simner PJ, Lonsway DR, Roe-Carpenter DE, Johnson JK, Brasso WB, **Bobenchik AM**, Lockett ZC, Charnot-Katsikas A, Ferraro MJ, Thomson RB, Jenkins SG, Limbago BM, Das S. (2017) The modified carbapenem inactivation method (mCIM) for phenotypic detection of carbapenemase production among *Enterobacteriaceae*. *J Clin Micro*. Aug; 55(8): 2321-2333. Epub 2017 Apr 5. PMID: 28381609.
19. Simner PJ, Johnson JK, Brasso WB, Anderson K, Lonsway DR, Pierce VM, **Bobenchik AM**, Lockett ZC, Charnot-Katsikas A, Westblade LF, Yoo BB, Jenkins SG, Limbago BM, Das S, Roe-Carpenter DE. (2018) Multicenter evaluation of the modified carbapenem inactivation method and the Carba NP for detection of carbapenemase-producing *Pseudomonas aeruginosa* and *Acinetobacter baumannii*. *J Clin Micro*. Dec 26; 56 (1) Print 2018 Jan. PMID: 29118172.

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PUBLICATIONS (continued)

20. Kraft C, Parrot J, Cornish N, Rubinstein M, Weissfeld A, McNult P, Nachamkin I, Humphries R, Kirn T, Dien Bard J, Lutgring J, Gullet J, Bittencourt C, Benson S, **Bobenchik AM**, Sautter R, Baselski V, Atlas M, Marlowe B, Miller N, Fischer M, Richter S, Gilligan P, Snyder J. (2019) A Laboratory Medicine Best Practices Systematic Review and Meta-Analysis for the Laboratory Diagnosis of *Clostridium difficile*. *Clin Micro Rev.* May 29;32(3) Print 2019 Jun 19. PMID: 31142497.
21. Choe YJ, Blatt DB, Yalcindag A, Geffert SF, **Bobenchik AM**, Michelow IC. (2019) *Cryptococcus albidos* fungemia in an immunosuppressed child: case report and systemic literature review. *J Pediatric Infect Dis Soc.* Epub 2019 Jun 11. PMID: 31183496.
22. **Bobenchik AM**, Maslow AD, Angus AB, Murphy J, Kurtis JD, Chapin KC. (2020) Testing the asymptomatic pre-surgical population for SARS CoV-2. *J Cardiothorac Vasc Anesth.* Accepted Aug 19, 2020 *In press.*

BOOKS AND BOOK CHAPTERS

1. **Bobenchik A.** Evaluation and Verification of Antimicrobial Susceptibility Test Systems, In: 4<sup>th</sup> Edition Clinical Microbiology Procedures Handbook, AL Leber ed., ASM Press, 5.18.1-10, 2016.
2. Chapin KC and **Bobenchik A.** Role of New Diagnostics to Enhance Antibiotic Stewardship Efforts, In: Antimicrobial Stewardship Principles and Practice, LaPlante K, Rice L, Morrill H, ed., CABI, 2017.

PUBLICATIONS NON-PEER REVIEWED

1. **Bobenchik AM.** (2019) Battleground zero: A review of best practice recommendations for *Clostridioides (Clostridium) difficile* testing. *Clin Micro Newslett.* Vol.41. No.20, Oct 15, 2019

INTERNATIONAL STANDARDS DOCUMENTS

1. Clinical and Laboratory Standards Institute. (2019) Performance standards for antimicrobial susceptibility testing; 29<sup>th</sup> edition. CLSI document M100 29<sup>th</sup> ed. Clinical and Laboratory Standards Institute, Wayne PA.
2. Clinical and Laboratory Standards Institute. (2020) Performance standards for antimicrobial susceptibility testing; 30<sup>th</sup> edition. CLSI document M100 30<sup>th</sup> ed. Clinical and Laboratory Standards Institute, Wayne PA.

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ABSTRACTS

1. Clayton LK, Touma M, Antonini V, **Bobenchik AM**, Osborn SL, Grusby MJ, Keskin DB, Connolly JE, Reinherz EL. (2006) Target distribution of I kappa BNS alters T cell activation and cytokine production. *American Association of Immunologist Annual Meeting, May 12-16, Boston, MA.*
2. **Bobenchik AM**, Phoenix KN, Vumbaca F, and Claffey KP (2007) AMPK Dependent C-Raf Signaling Promotes Breast Carcinoma Cell Viability in Hypoxia. *Keystone Symposia Molecular Targets for Cancer (X3-2007), March 18-23, Whistler, BC Canada.*
3. **Bobenchik AM**, Choi J, Hao B, Rujan IN, Mishra A, Hoch JC, Voelker DR, and Ben Mamoun C (2008) *In vitro* and *in vivo* evidence for the inhibition of *Plasmodium falciparum* phosphoethanolamine methyltransferase by amodiaquine. *American Society of Tropical Hygiene and Medicine Annual Meeting, December 7-11, New Orleans, LA.* (Presentation and poster).
4. Giltner CL, Kwon C, **Bobenchik AM**, Lewinski MA (2012) Analyses of respiratory virus positivity rates in the UCLA Healthcare System from 2009-2011. *Clinical Virology Symposium, April 22-25, Daytona Beach, FL.*
5. **Bobenchik AM**, Miller MJ, Giltner CL, Lewinski MA (2012) Evaluation of a qualitative real-time PCR assay for the detection of HSV-1 and HSV-2 using the 3M Integrated Cycler. *Clinical Virology Symposium, April 22-25, Daytona Beach, FL.*
6. Giltner CL, **Bobenchik AM**, Humphries RM, Lewinski MA (2012) Comparison of EIA with culture for laboratory diagnosis of *Campylobacter* enteritis. *ASM 2012, 112th General Meeting, June 16-19, San Francisco, CA.*
7. **Bobenchik AM**, Giltner CL, Hindler JA, Sooudipour F, Saeki S, Lewinski MA, Humphries RM (2012) VITEK 2 performs reliably for antimicrobial susceptibility testing of *Staphylococcus* spp. and *Enterococcus* spp. *ASM 2012, 112th General Meeting, June 16-19, San Francisco, CA.*
8. Giltner CL, **Bobenchik AM**, Uslan DZ, Hindler JA, Humphries RM (2012) Comparison of vancomycin and daptomycin MICs by testing method and media source for contemporary isolates of methicillin-resistant *Staphylococcus aureus*. *ID Week 2012, Oct 17-21, San Diego, CA.*
9. **Bobenchik AM**, Uslan DZ, Giltner CL, Humphries RM (2012) Retrospective study of carbapenem resistant *Enterobacteriaceae* cases at UCLA Health System. *ID Week 2012, Oct 17-21, San Diego, CA.*

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ABSTRACTS (continued)

10. Giltner CL, Hindler JA, **Bobenchik AM**, Humphries RM (2013) Maintenance of elevated daptomycin and vancomycin MICs following serial subculture of clinical MRSA isolates. *ASM 2013, 113th General Meeting, May 18-21, Denver, CO.*
11. Deak E, Hindler JA, **Bobenchik AM**, Maldonado M, Desai HB, Humphries RM (2013) VITEK 2 reliability for antimicrobial susceptibility testing of non-*Enterobacteriaceae*. *ASM 2013, 113th General Meeting, May 18-21, Denver, CO.*
12. **Bobenchik AM**, Hindler JA, Maldonado M, Desai HB, Deak E, Giltner CL, Humphries RM (2013) Evaluation of VITEK 2 for antimicrobial susceptibility testing of *Enterobacteriaceae*. *ASM 2013, 113th General Meeting, May 18-21, Denver, CO.*
13. Kelesidis T, Gu B, Tewhey R, Giltner CL, **Bobenchik AM**, Hindler JA, Humphries RM (2013) Whole genome sequencing of linezolid resistant coagulase negative staphylococci reveals limited genomic mutations associated with resistance. *ID Week 2013, Oct 2-6, San Francisco, CA.*
14. Novak S, **Bobenchik A**, Cumpio J, Marlowe E (2014) Evaluation of the Verigene EP RUO test for the rapid detection of bacterial and viral causes of gastrointestinal infection. *Clinical Virology Symposium, April 27-30, Daytona Beach, FL.*
15. Cortez-Flores E, LeBlanc L, Andrea S, **Bobenchik A**, Chapin KC (2015) Cost-effectiveness and laboratory workload efficiency of 8 *C. difficile* testing algorithms. *ASM 2015, 115th General Meeting, May 31- Jun 2, New Orleans, LA.*
16. Hui Y, Lepe M, Chapin KC, **Bobenchik AM** (2015) Quality assessment of wound culture microbiology results at Rhode Island Hospital. *Scalpels to Stem Cells: 1<sup>st</sup> Annual Wound Care Symposium, Warren Alpert School of Medicine of Brown University, Oct 16, Providence, RI.*
17. Tingley L, Raposo M, **Bobenchik AM**, Chapin KC (2016) Performance comparison and workflow evaluation of Simplexa™ HSV 1 & 2 Direct and ARIES® HSV 1 & 2 Assay and for the detection of HSV 1 & 2 in genital and non-genital specimens. *Clinical Virology Symposium, May 20-23, Daytona Beach, FL.*
18. Raposo M, Chapin KC, **Bobenchik AM** (2017) Prevalence of mupirocin resistant *Staphylococcus aureus* from pre-surgical screening patients. *MICROBE 2017, June 1-5, New Orleans, LA.*
19. Patil PA, LeGolvan MP, Treaba DO, Stachurski DR, **Bobenchik AM**, Chapin KC (2019) PCR Testing for Determination of Vector-Borne Parasite and Bacterial Organisms, Is an Order Best Added After Initial Peripheral Blood Smear Evaluation and Pathologist Consultation- Study From an Endemic Area. *United States & Canadian Academy of Pathology's 108<sup>th</sup> Annual Meeting, March 16-21, National Harbor, Maryland.*
20. Rogers R, Zaninni A, Kearney M, **Bobenchik A**, Cunha C, Chapin K (2019) Is the juice worth the squeeze? Rapid Identification and Antimicrobial Susceptibility Testing using the Accelerate Pheno System. *NEB-ASM / NACMID Annual Joint Meeting, April 8, 2019, Portsmouth, NH*
21. **Bobenchik AM**, Andrade M, Angus AB, Begeron MN, Chargualaf TL, Costa EA, Furtado GL, Geffert SF, Kearney MW, Sawyer DA, Vickery LM, Whitehead VM, Chapin KC (2019) Employee Survey to Improve Job Satisfaction in the Clinical Microbiology Laboratory. *MICROBE 2019, June 21-24, San Francisco, CA.*



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INVITED PRESENTATIONS

International

1. 43<sup>rd</sup> Annual Conference of Indian Association of Medical Microbiologists, Mumbai, India, November 27-28, 2019.
  - a. *CLSI AST Updates* Pre-Conference Workshop, Nov 27, 2019
  - b. *Detection and Reporting of Antimicrobial Resistance in Gram Negative Organisms* Pre-Conference Workshop, Nov 28, 2019
  - c. *What's New for CLSI? CLSI Update* Pre-Conference Workshop, Nov 28, 2019

National

2. *Future Challenges for AST* ASM 2015, 115<sup>th</sup> General Meeting, New Orleans, LA, June 1, 2015.
3. *Infection Control: Where the Clinical Microbiologist Can Contribute* ASCP General Meeting, Las Vegas, NV, September 15, 2016.
4. *Gram-Positive Resistance Mechanisms & Testing: Enterococcus/Streptococcus* ASM-CLSI Webinar Series on Antimicrobial Susceptibility Testing: Mechanisms of Resistance, Antimicrobial Stewardship, and Infection Prevention, March 15, 2017.
5. *From Bench to Desk: The Path for a PhD Scientist to Directing a Clinical Microbiology Laboratory* MICROBE 2017, New Orleans, LA, June 4, 2017.
6. *CLSI Documents for Antimicrobial Susceptibility Testing (AST); What's Available for You?* Clinical Laboratory Standards Institute Free on Demand: AST Documents Webinar, May 22, 2018.
7. *Importance of Reliable Generation and Appropriate Interpretation of AST Results in 2020* MICROBE 2020, Chicago, IL, June 22, 2020. \*Cancelled due to COVID-19 Pandemic\* Recorded virtual presentation for on-demand ASM Microbe Online program July-August 2020.

Regional

8. *HCV Testing in the Era of New Antiviral Therapy* SCASM 2012 Annual Meeting, San Diego, CA, November 1-3, 2012.
9. *New Diagnostics for Antimicrobial Stewardship* Workshop: Antimicrobial Stewardship: The Role of the Laboratory, NEB-ASM/NACMID Second Annual Joint Meeting, Wakefield, MA, April 3, 2017.
10. *New Diagnostics for Antimicrobial Stewardship* ASCLS-CNE 69<sup>th</sup> Annual Clinical Laboratory Science Convention, Providence, RI, May 9, 2017.
11. *Antimicrobial Susceptibility Testing for Today's Microbiologist* Full Day Workshop NEB-ASM/NACMID Third Annual Joint Meeting, Wakefield, MA, April 23, 2018.
12. *Don't Be Resistant to AST: An Introduction to Susceptibility Testing* NEB-ASM/NACMID Third Annual Joint Meeting, Wakefield, MA, April 24, 2018.

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Regional (continued)

13. *What Do We Really Need to Know About Antimicrobial Susceptibility Testing?* NYC-ASM Annual Spring Meeting, New York, NY, May 17, 2019.
14. *The Role of New Diagnostics in Antimicrobial Stewardship Practice* ASCLS-CNE 72<sup>nd</sup> Annual Clinical Laboratory Science Convention, Warwick, RI, March 31, 2020. \*Cancelled due to COVID-19 Pandemic\*
15. *Clinical Perspective on the Importance of Using Up-To-Date Clinical Breakpoints* Full Day Workshop NACMID 34<sup>th</sup> Annual Conference, Portsmouth, NH, April 6, 2020. \*Cancelled due to COVID-19 Pandemic\*

Local

16. *Fun with Microbes: Case Presentations* Pathology and Laboratory Medicine Clinical Laboratory Scientist Fall Seminar, UCLA Health System, Los Angeles, CA, October 13, 2012.
17. *The Impact of New Microbiology Diagnostics on Patient Care* Department of Pathology and Laboratory Medicine Continuing Education Seminar Series, Lifespan Academic Medical Center Providence, RI, April 7, 2015.
18. *Zika Virus* Department of Pathology and Laboratory Medicine Continuing Education Seminar Series, Lifespan Academic Medical Center, Providence, RI, March 4, 2016.
19. *Microbiology and Infectious Diseases Molecular Diagnostics at Lifespan* Department of Medicine, Division of Infectious Diseases Seminar, Lifespan Academic Medical Center, Providence, RI, September 22, 2016.
20. *Updates in Antimicrobial Resistance* Department of Pathology and Laboratory Medicine Grand Rounds, Lifespan Academic Medical Center, Providence, RI, April 6, 2017.
21. *Microbiology and Infectious Diseases Molecular Diagnostics at Lifespan* Department of Medicine, Division of Infectious Diseases Seminar, Lifespan Academic Medical Center, Providence, RI, April 13, 2017.
22. *Microbiology and Infectious Diseases Molecular Diagnostics at Lifespan* Department of Medicine, Division of Infectious Diseases Seminar, Lifespan Academic Medical Center, Providence, RI, December 6, 2018.
23. *Microbiology and Infectious Diseases Molecular Diagnostics at Lifespan* Department of Medicine, Division of Infectious Diseases Seminar, Lifespan Academic Medical Center, Providence, RI, October 17, 2019.

GRANTS

1. Title: Biorepository Core, Center for Antimicrobial Resistance and Therapeutic Discovery  
Funding Agency: National Institute of General Medical Sciences  
Award Total: \$206,816.00  
Dates of Funding: Sept 2018 – Jul 2021  
Role: Principal Investigator

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UNIVERSITY TEACHING ROLES

**Graduate Teaching Assistant**, Clinical microbiology laboratory, Immunology/serology laboratory, Hematology laboratory, Clinical chemistry laboratory, Urinalysis laboratory, Basic laboratory techniques, Forensic Science, Department of Medical Laboratory Science, Northeastern University, Boston, MA, January 2002-June 2003, average class size: 20

**Instructor**, Microbiology laboratory for MS1, Department of Medicine, David Geffen School of Medicine, UCLA, Los Angeles, CA, September 2011, average class size: 100

**Lecturer**, Antimicrobial Susceptibility Testing, Medical Laboratory Science Program, University of Rhode Island and Rhode Island College, Providence, RI, February 2020, average class size: 16

GRADUATE MEDICAL EDUCATION-RESIDENT EDUCATION AND FELLOWS

**Lecturer**, Pediatric Infectious Disease Case Conference and Plate Rounds, Department of Pathology and Laboratory Medicine, UCLA Medical Center, August 2011-June 2013 (15 lectures per year/ 1 hr)

**Clinical Pathology Rotation Co-director**, Microbiology, Department of Pathology and Laboratory Medicine, Lifespan Academic Medical Center, September 2014-present, average 10 residents per year

- 1) Create and periodic update of rotation goals and learning objectives to align with current ACGME milestones
  - a. Residents spend 3 months in Microbiology and rotate through 10 areas of the laboratory
  - b. While on rotation they are responsible for meeting all bench objectives, as well as contributing to twice weekly ID Case Conference, attending daily bench plate rounds and providing clinical consolation when appropriate
- 2) Revised and updated ACGME milestones twice within last 5 years
- 3) Attended, received and responded to resident concerns raised in yearly resident retreat
- 4) Create schedule for monthly microbiology rotations
- 5) Serve as rotation Attending supervisor
  - a. Lead daily plate rounds with resident and bench techs
  - b. Provide clinical consolation oversight while resident is on rotation
  - c. Provide supplemental didactics/ lectures on rotation when needed
  - d. Serve as mentor in quality improvement clinical pathology projects
    - i. Resulted in 2 abstracts
  - e. Provide on-call supervision/consultation to CP resident on-call
    - i. Attend CP Call conference and provide education feedback

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GRADUATE MEDICAL EDUCATION-RESIDENT EDUCATION AND FELLOWS (continued)

**Infectious Disease Rotation Co-director**, Microbiology, Department of Pathology and Laboratory Medicine, Lifespan Academic Medical Center, September 2014-present, average 3 fellows per year

- 1) Periodic update of rotation goals and learning objectives
  - a. Fellows spend 1 month in Microbiology and rotate through 10 areas of the laboratory
  - b. While on rotation they are responsible for meeting all bench objectives, as well as attending daily bench plate rounds and providing clinical consultation when appropriate
- 2) Create schedule for monthly microbiology rotations
- 3) Serve as rotation Attending supervisor
  - a. Lead daily plate rounds with resident, fellow and bench techs
  - b. Educate on appropriate use and interpretation of microbiology results

**Clinical Pathology Course Co-leader and lecturer**, Microbiology, Department of Pathology and Laboratory Medicine, Lifespan Academic Medical Center, September 2014-present, average 12 residents per year

- 1) Created a 2-yr rotating didactic lecture series
- 2) Provide 4 - 60 min didactic lectures a year
  - i. Bacteriology
  - ii. Mycology
  - iii. Mycobacteriology
  - iv. Parasitology

**Continuing Medical Education Course Co-leader and lecturer**, Adult and Pediatric Microbiology Infectious Diseases Case Conference, Department of Pathology and Laboratory Medicine, Lifespan Academic Medical Center, September 2014-present, average 20 residents (pathology, internal medicine, and pediatrics), 6 fellows (adult and pediatric infectious disease), 6 attendings (adult and pediatric infectious disease), 5 medical students, 3 physician assistant students, 2 pharmacists per year

- 1) Coordinate, twice a week 1hr conference, for 1 unit of C.M.E. credit
- 2) Present lecture on clinical cases and associated microbiology cultures and test results
- 3) Provide Q&A following presentation

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ADDITIONAL TEACHING AND MENTORSHIP

**Faculty Mentor**, Postdoctoral Fellowship in Microbiology, Lifespan Academic Medical Center, Vittal Ponraj, PhD, 2014-2016

- 1) Goal to become proficient in directing a clinical microbiology, with the understanding of appropriate test utilization, methodology, interpretation, laboratory safety and regulations, and clinical consultation
- 2) Dr. Ponraj is currently a clinical microbiology consultant

**Faculty Poster Judge**, Summer Research Showcase for MS2, Department of Medicine, Warren Alpert Medical School of Brown University, Providence, RI, November 2015, 2016; Medical Students

**Faculty Mentor**, Postdoctoral Fellowship in Microbiology, Lifespan Academic Medical Center, Sara Geffert, MD, 2017-2019

- 1) Goal to become proficient in directing a clinical microbiology, with the understanding of appropriate test utilization, methodology, interpretation, laboratory safety and regulations, and clinical consultation
- 2) Dr. Geffert obtained her American Board of Medical Microbiology certification in 2019 and is an Infectious Disease Attending at Rhode Island and Newport Hospitals